

I CLAIM AS MY INVENTION:

1. A magnetic resonance apparatus disposed in an installation space, said magnetic resonance apparatus comprising:

a first component group including a basic field magnet system and a gradient coil system;

a second component group, including an examination volume adapted to receive an examination subject, and a support device adapted to move said examination subject into and out of said examination volume; and

sound insulation disposed between said first component group and said second component group to divide the installation space into two spaces which are acoustically insulated from each other, said first component group being disposed in a first of said spaces and said second component group being disposed in said second of said spaces.

2. A magnetic resonance apparatus as claimed in claim 1 wherein said first component group has no direct contact surfaces with said sound insulation.

3. A magnetic resonance apparatus as claimed in claim 1 wherein said sound insulation comprises a vacuum vessel.

4. A magnetic resonance apparatus as claimed in claim 3 wherein at least a portion of said vacuum vessel is disposed adjacent to said examination volume.

5. A magnetic resonance apparatus as claimed in claim 1 wherein said sound insulation includes a portion adjacent to said examination volume consisting of a material which does not disruptively influence magnetic resonance imaging.

6. A magnetic resonance apparatus as claimed in claim 5 wherein said material is selected from the group consisting of glass fiber reinforced plastic and aramid-fiber reinforced plastic.

7. A magnetic resonance apparatus as claimed in claim 1 wherein said sound insulation comprises a heavy sound-insulating wall.

8. A magnetic resonance apparatus as claimed in claim 7 wherein said heavy sound-insulating wall is a wall of said installation space.

9. A magnetic resonance apparatus as claimed in claim 7 wherein said heavy sound-insulating wall has an opening adapted to allow passage of said examination subject therethrough.

10. A magnetic resonance apparatus as claimed in claim 9 wherein said sound insulation includes a vacuum vessel substantially enclosing said examination volume and joined to said opening.